

ABSTRACT

A sludge elimination system, particularly adapted to process the waste activated sludge from a standard activated sludge plant, has three treatment cells. Each of the treatment cells has an anaerobic zone and an aerobic zone above it. Effluent from the facility is introduced into the anaerobic zone in the first cell; the aerobic zone of the first cell has a fluid connection to the anaerobic zone of the next cell, and so on. Residence times are preferably 140, 20 and 20 days per cell. The aerobic zone is created by the injection of air with coarse aerators. Oxygen introduced by the aeration reduces the volatiles and clean water eventually exits the system.